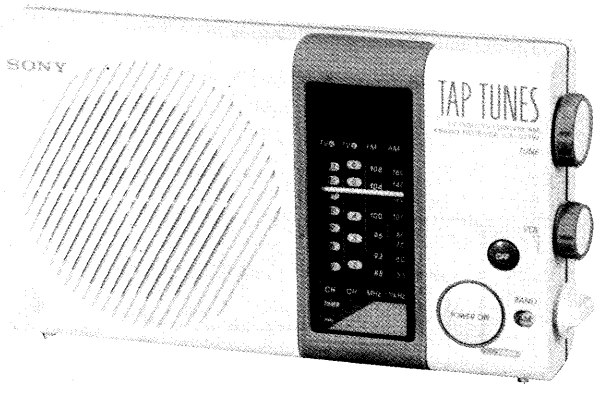
ICF-S77W

SERVICE MANUAL

US Model



TAP TUNES

SPECIFICATIONS

Frequency range	TV HI (high): 7 – 13 channels TV LO (low): 2 – 6 channels FM: 87.6 – 108 MHz AM: 530 – 1,605 kHz
Antennas	FM: Built-in print pattern antenna or external wire antenna AM: Bulit-in ferrite bar antenna
Speaker	Approx. 9.2 cm (3⅝ inches) dia.
Power output	180 mV (at 10% harmonic distortion)
Power requirement	Radio: 4.5 V DC, three size C (IEC designation R14) batteries Clock: 1.5 V DC, one size AA (IEC designation R6) battery
Battery life	Radio: Approx. 55 hours of listening (for four hours a day at a normal volume), using Sony SUM-2 (NS) New Super batteries Clock: Approx. one year, using Sony SUM-3 (NS) New Super battery
Dimensions	Approx. 234 x 132 x 48 mm (w/h/d) (9¼ x 5¼ x 1 15/16 inches) incl. projecting parts and controls
Weight	Approx. 780 g (1 lb 12 oz) incl. batteries, not incl. other accessories
Accessories supplied	Mounting bracket (1 set) Hand strap (1) FM wire antenna (1) Screw (1)

Design and specifications subject to change without notice.

FEATURES

- Water-resistant receiver: listening in a bathroom is poosible.
- TV sounds can be received.
- Easy installation using the stand, the strap or the mounting bracket.
- Easy-to-read blue LCD window of the built-in digital clock.
- Auto off timer, four positions selectable, is incorporated.
- The timer and the clock operate independently.

DO NOT IMMERSE IN WATER

This product is not meant to be immersed in water or come in continuous contact with water.

- Open the battery compartment lid where water cannot fall in the unit, and make sure that your hands are dry.
- Do not pour running water onto the unit.
- Do not expose the unit, especially clock, to water that is warmer than 70°C (158°F) for a long period of time.
- When the unit gets wet or if you do accidentally drop the unit into the water, wipe it with a soft cloth.
- Do not touch the unit with hands wet with soapsuds.
- If water stays in the speaker, pour it out by inverting the unit.

TV-HI/TV-LO/FM/AM 4 BAND RECEIVER

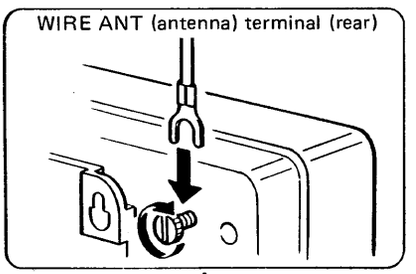
SONY®

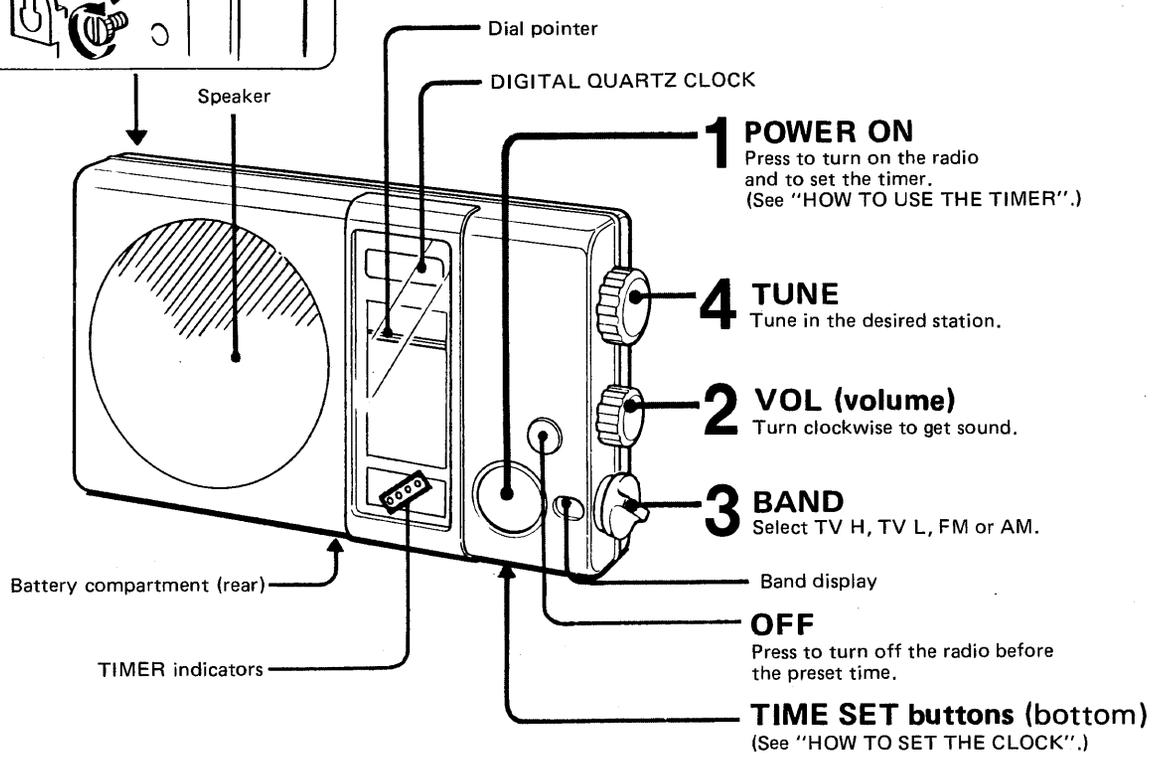
TR

LOCATION AND FUNCTION OF CONTROLS

For improved reception

The built-in ferrite bar antenna (for AM) or the print pattern antenna (for TV and FM) activates. Change the direction of the unit for optimum reception.
If noise still makes it hard to hear the FM program, connect the FM wire antenna (supplied) to the WIRE ANT terminal using the screw (supplied) and extend it as long as possible.




Dial pointer
DIGITAL QUARTZ CLOCK
Speaker
1 POWER ON
Press to turn on the radio and to set the timer.
(See "HOW TO USE THE TIMER".)
4 TUNE
Tune in the desired station.
2 VOL (volume)
Turn clockwise to get sound.
3 BAND
Select TV H, TV L, FM or AM.
Band display
Battery compartment (rear)
OFF
Press to turn off the radio before the preset time.
TIMER indicators
TIME SET buttons (bottom)
(See "HOW TO SET THE CLOCK".)

HOW TO USE THE TIMER

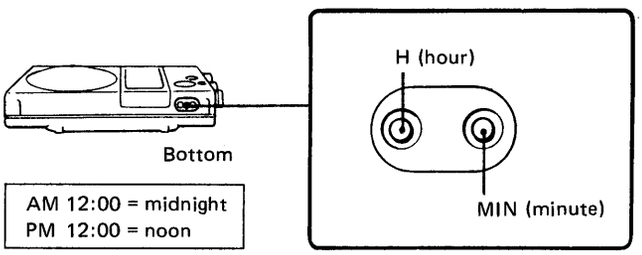
Set the timer by pressing the POWER ON button.
With each push of the button, the TIMER indicator lights up showing the selected timer duration (60, 45, 30 or 15 min.).
The radio will turn itself off automatically after the preset time has elapsed.

To turn off the radio before the preset time, press the OFF button.

Note: There might be about ±15% deviation of timer duration.

HOW TO SET THE CLOCK

Adjust the clock to the current time by pressing the TIME SET buttons, H and MIN.
Each time the H or MIN button is pressed, the hour or minute digit advances by one. The hours and minutes are adjusted independently.
When the button is kept pressed, the hour and minute digits advance continuously.



AM 12:00 = midnight
PM 12:00 = noon

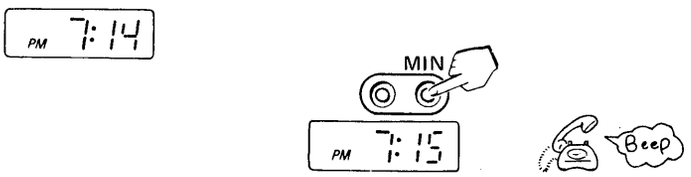
Zero second adjustment

Example: To set to 7:15 p.m. time signal

1 Adjust to 7:14 p.m. as described before.

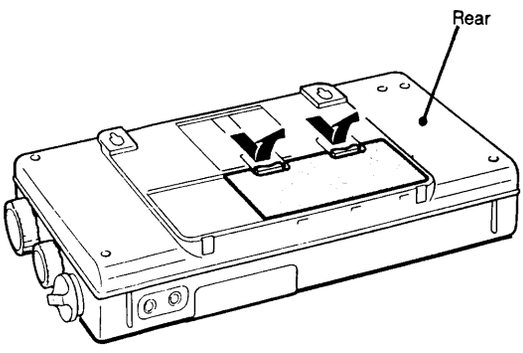
2 Press the MIN button simultaneously with the radio or telephone time signal. (Do not keep it pressed.)

Note: If the time indication has advanced to PM 7:15 while waiting the time signal in step 1, readjust the time indication to PM 7:14.

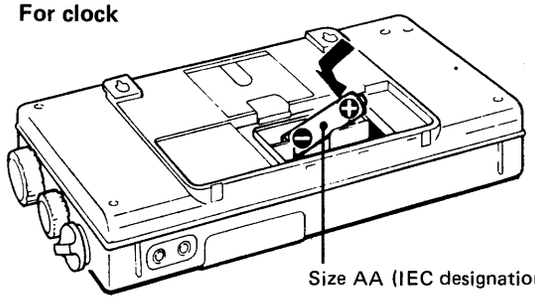


BATEERY INSTALLATION

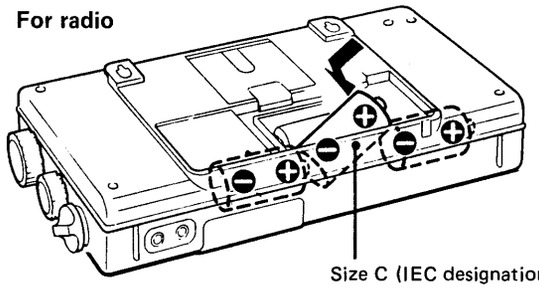
Before opening the battery compartment lid, wipe off any water on the outside of the unit.



For clock



For radio



Battery replacement

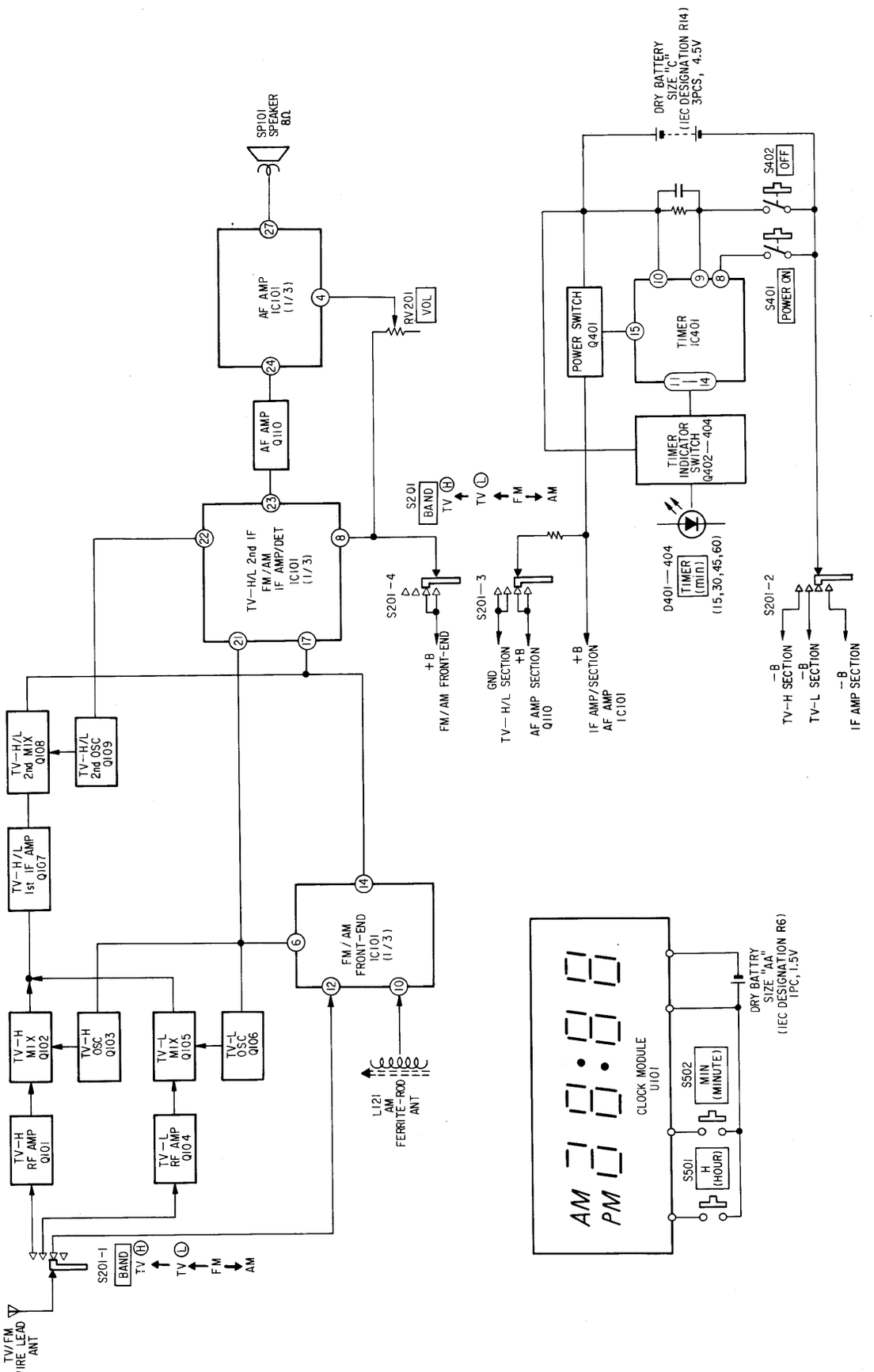
For radio: Replace all the batteries with new ones when the TIMER indicator glows faintly.

For clcok: Replace the battery with a new one once a year.

Concerning the battery life, see "SPECIFICATIONS".

Close the lid firmly until a click sounds.

SECTION 1
BLOCK DIAGRAM



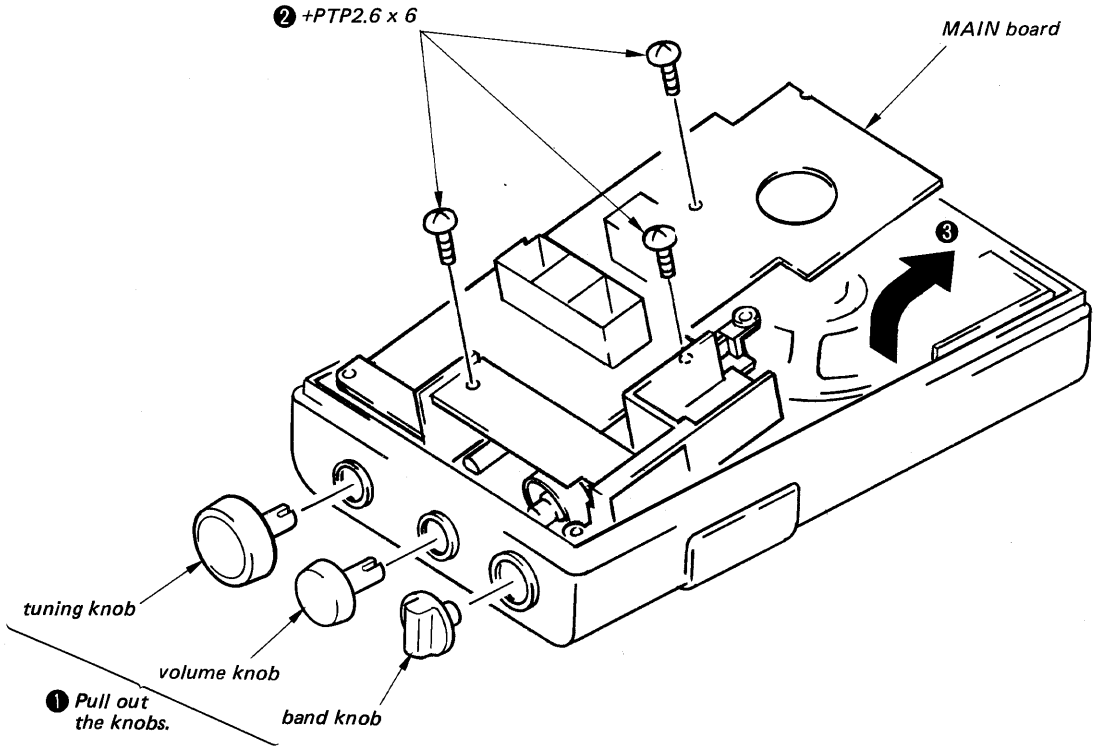
SECTION 2
DISASSEMBLY

Note: Follow the disassembly procedure in the numerical order given.

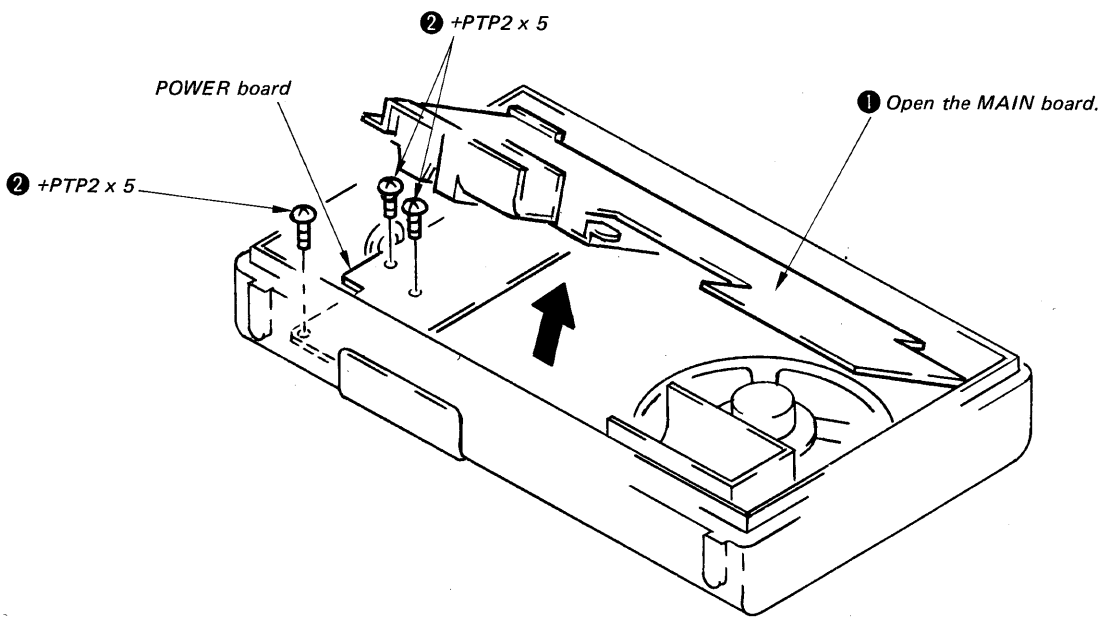
REAR CABINET

Remove rear cabinet by taking out four screws and washers.

MAIN BOARD



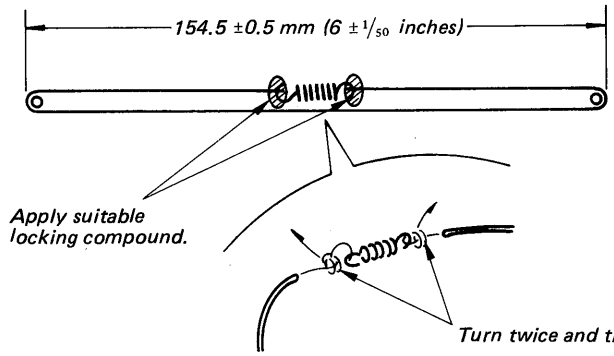
POWER BOARD



DIAL CORD STRINGING

1. Preparation

Prepare the dial cord (ϕ0.25 mm = ϕ1/100 inches) as shown in the figure.



2. Dial Cord Stringing

1) Turn the two dial drums fully counterclockwise.

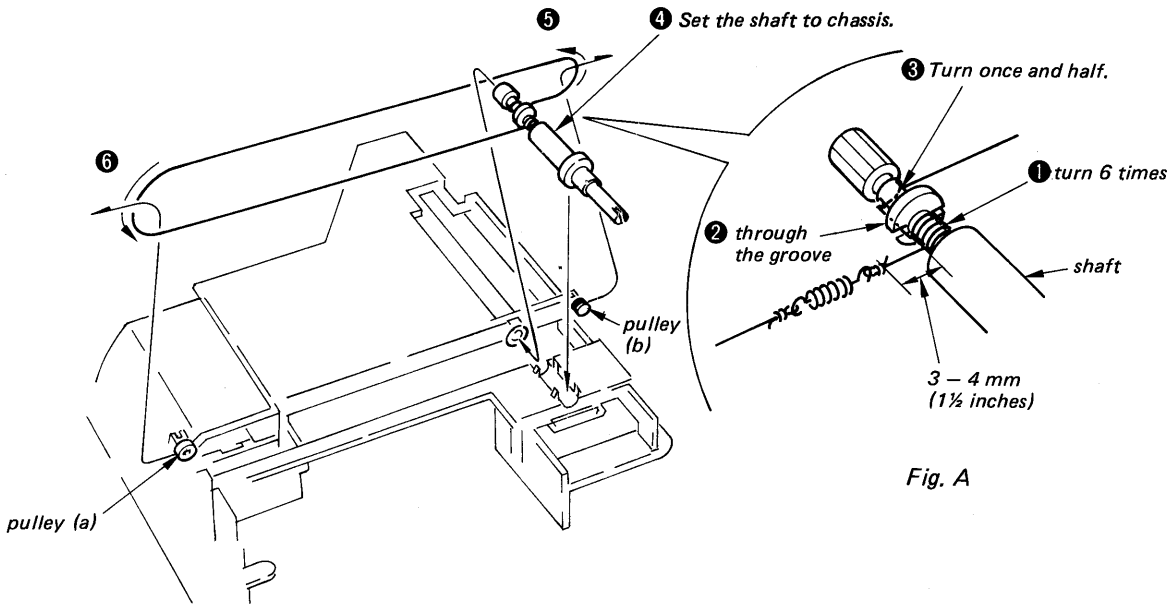


Fig. A

3. Dial Pointer Setting

1) Turn the tuning shaft fully counterclockwise.
2) Set the pointer A for B.
3) Apply suitable locking compound as shown in Fig. C.

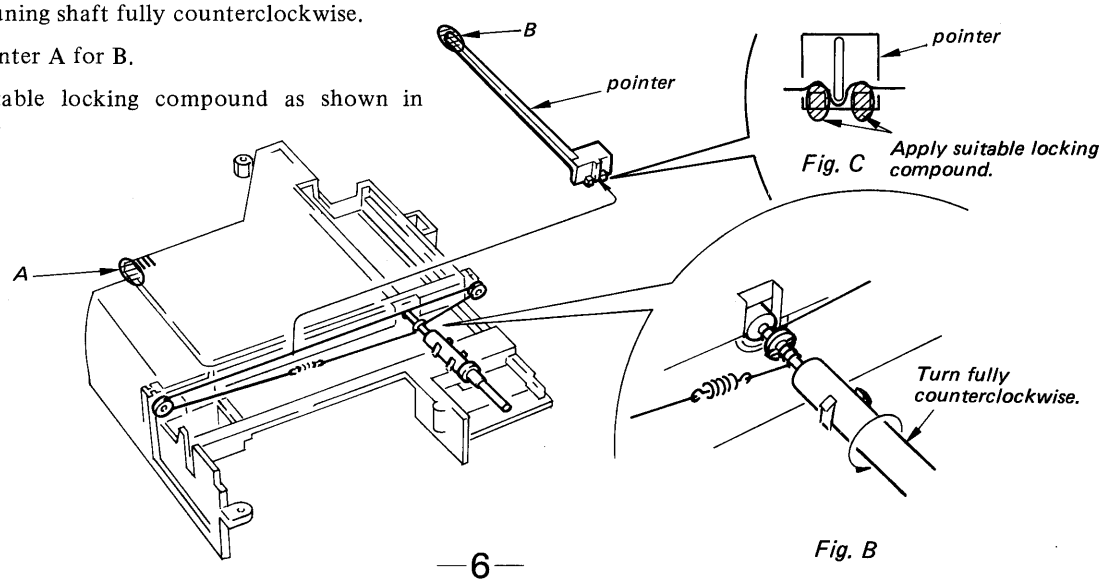


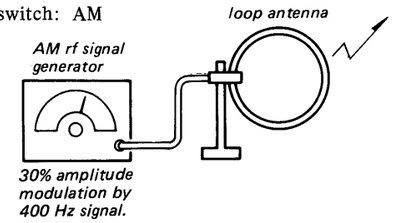
Fig. C

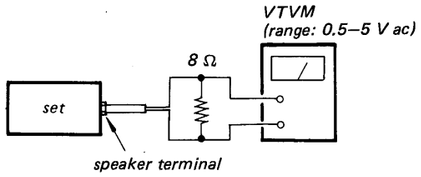
Fig. B

SECTION 3
ADJUSTMENTS

AM SECTION

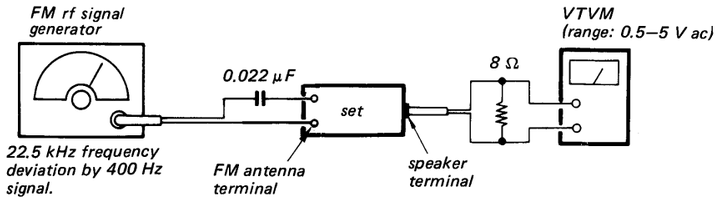
BAND switch: AM



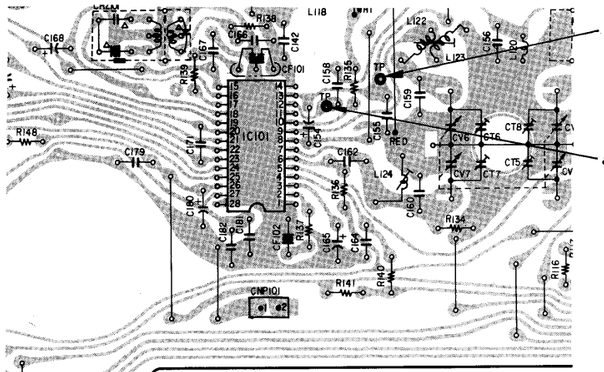


FM SECTION

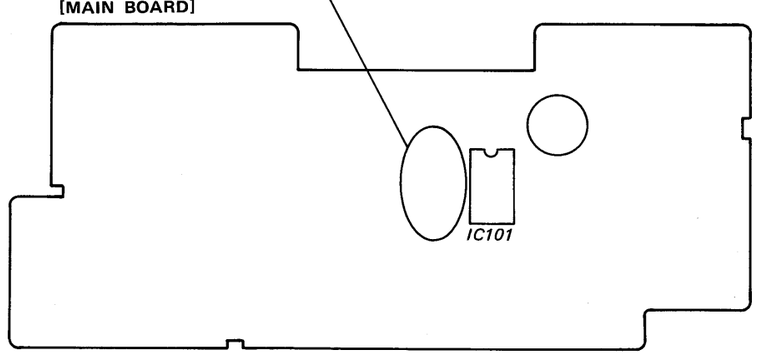
BAND switch: FM



– FM antenna terminal –



[MAIN BOARD]



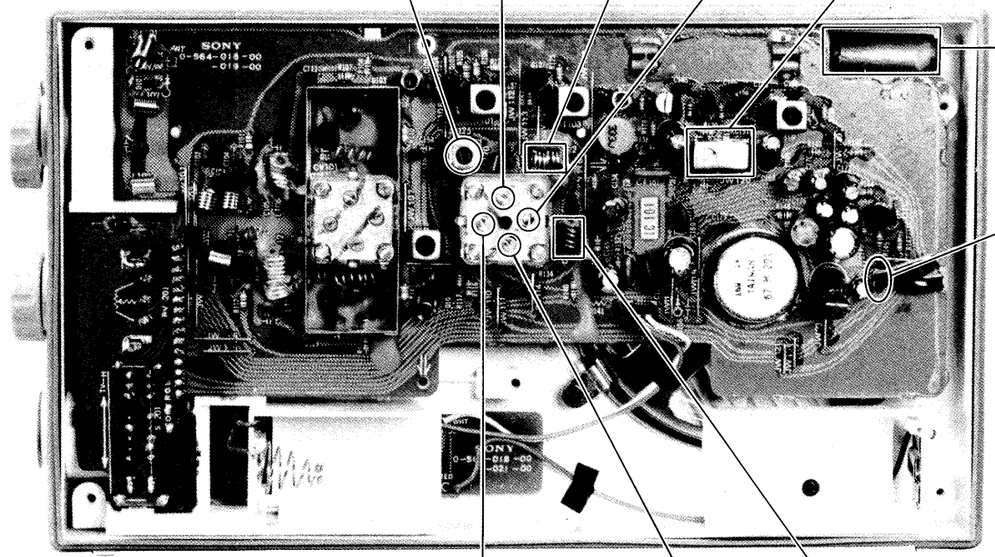
- Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.

AM FREQUENCY COVERAGE ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
520 kHz	1,680 kHz
L125	CT8

FM TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
87 MHz	109.5 MHz
L122, 123	CT6

AM IF ADJUSTMENT
Adjust for a maximum reading on VTVM.
455 kHz
CFZ101

[MAIN BOARD]

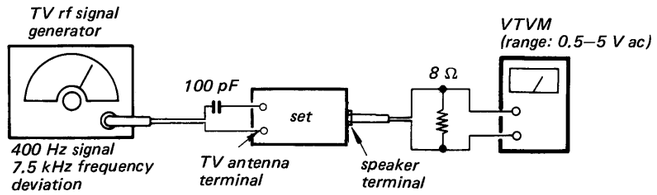


CT7	L124
109.5 MHz	87 MHz
Adjust for a maximum reading on VTVM.	
FM FREQUENCY COVERAGE ADJUSTMENT	

CT5	L121
1,400 kHz	600 kHz
Adjust for a maximum reading on VTVM.	
AM TRACKING ADJUSTMENT	

TV SECTION

BAND switch: TV

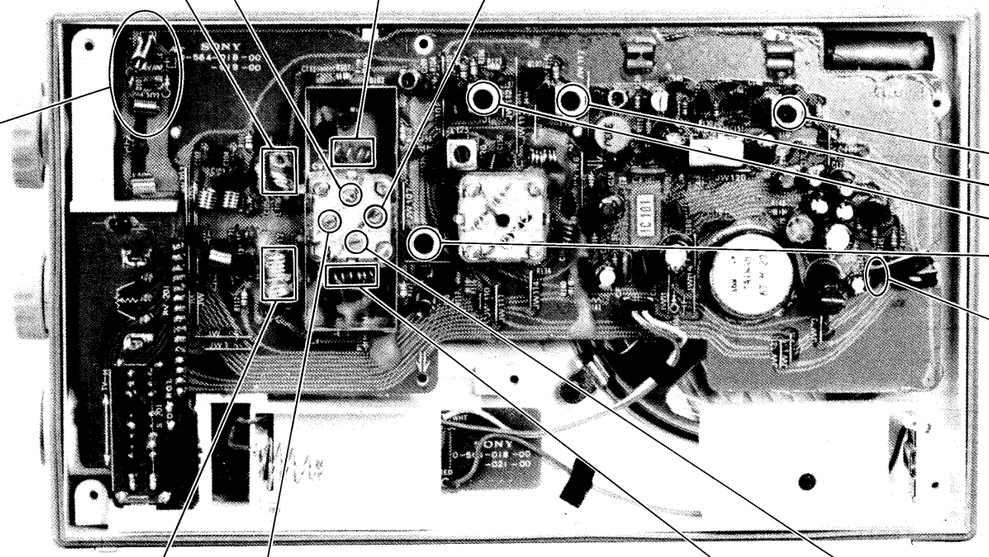


- Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.

TV (HIGH) TRACKING ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
178 MHz	218 MHz
L106, 107	CT1

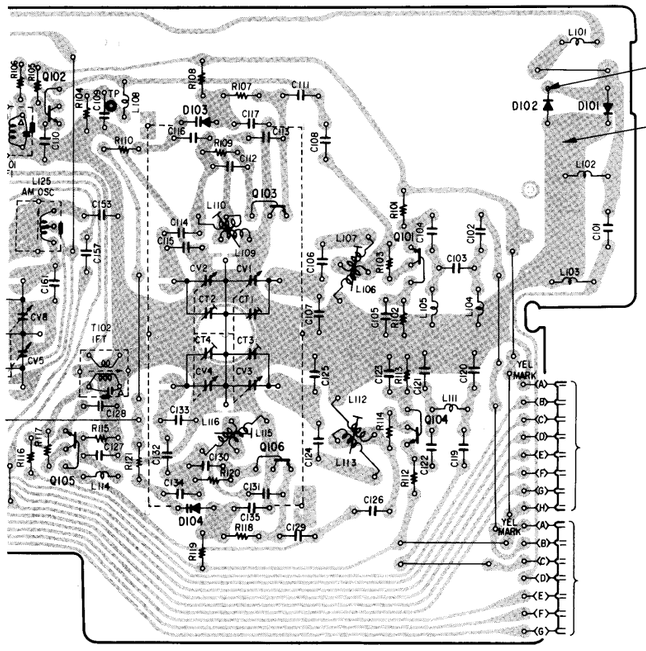
TV (HIGH) FREQUENCY COVERAGE ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
178 MHz	218 MHz
L109, 110	CT2

[MAIN BOARD]



TV IF ADJUSTMENT	
Adjust for a maximum reading on VTVM.	
L119 (2nd OSC)	41.25 MHz
T103 (HIGH/LOW)	
T101 (HIGH)	
T102 (LOW)	

— TV antenna terminal —



L112, 113	CT3
58 MHz	90 MHz
Adjust for a maximum reading on VTVM.	
TV (LOW) TRACKING ADJUSTMENT	

L115, 116	CT4
58 MHz	90 MHz
Adjust for a maximum reading on VTVM.	
TV (LOW) FREQUENCY COVERAGE ADJUSTMENT	

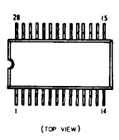
speaker terminal

SECTION 4
DIAGRAMS

4-1. MOUNTING DIAGRAM

- **Semiconductor Lead Layouts**

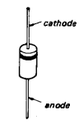
μPC1303G



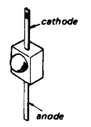
2SA952

2SC945

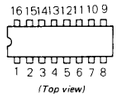
1SS1555
SD115

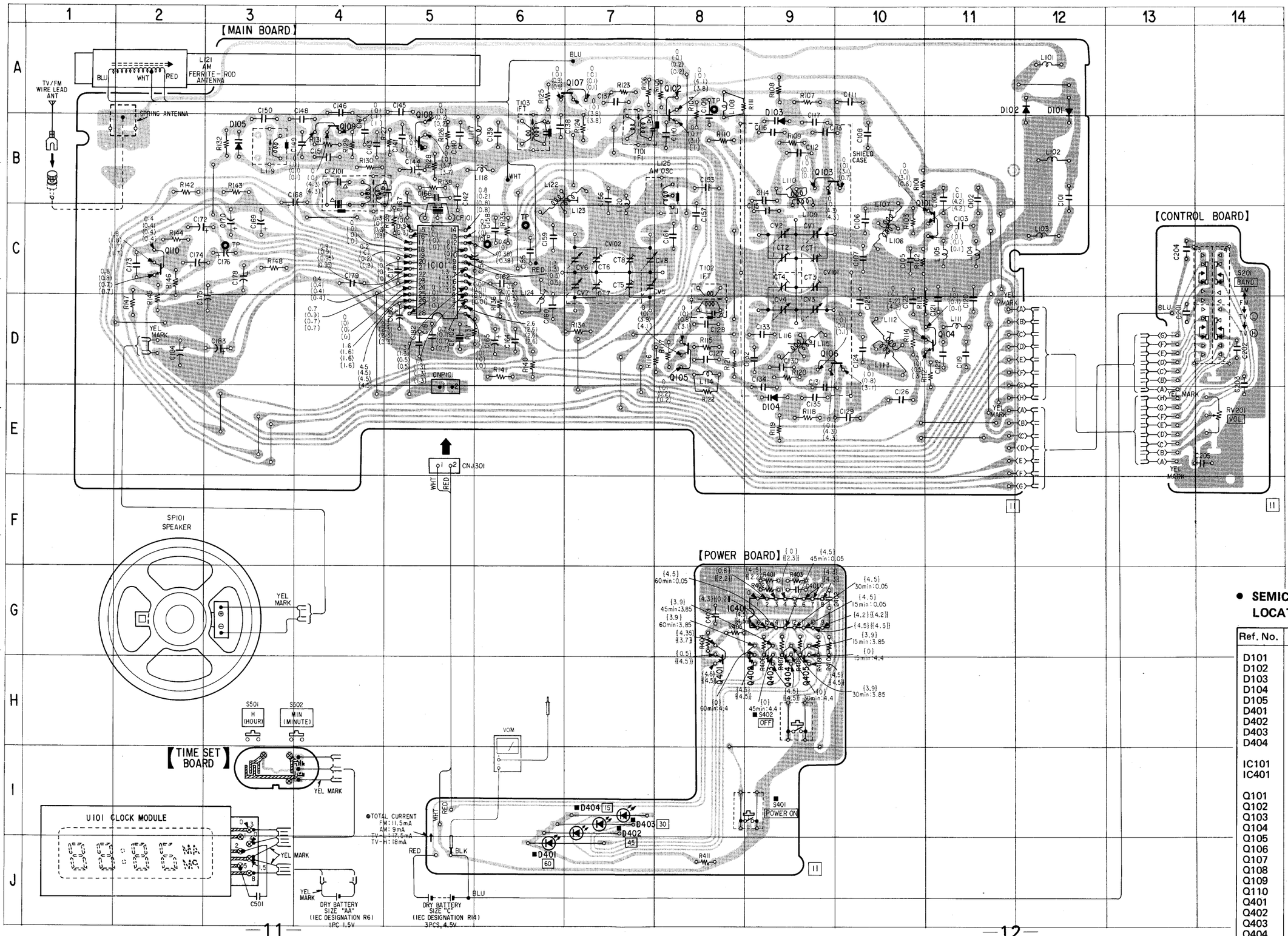


PR2222S



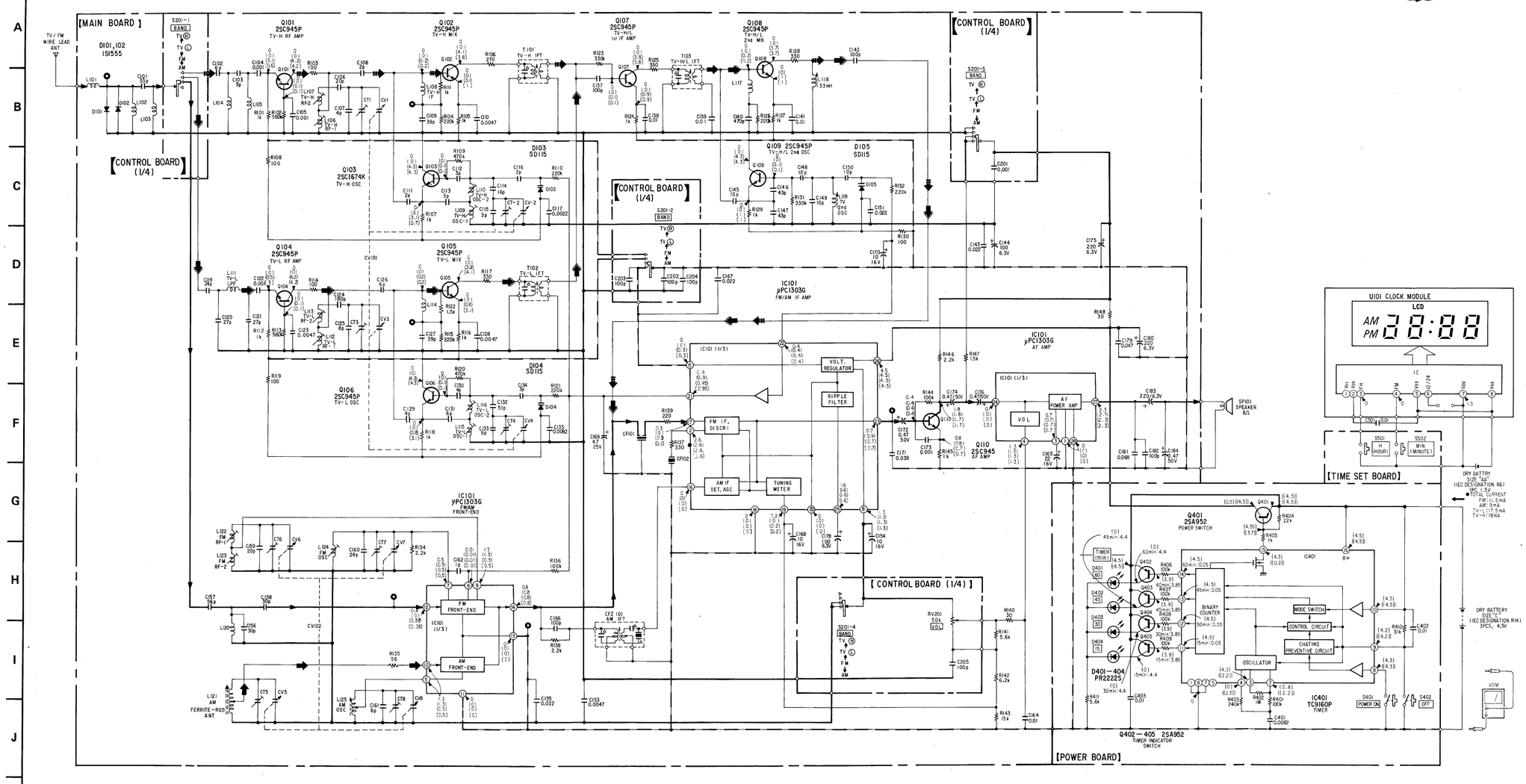
TC9160P





- **SEMICONDUCTOR LOCATION**

Ref. No.	Location
D101	A-12
D102	A-12
D103	B-9
D104	E-9
D105	B-3
D401	J-6
D402	I-7
D403	I-7
D404	I-7
IC101	C-5
IC401	G-9
Q101	C-11
Q102	A-8
Q103	B-9
Q104	D-11
Q105	D-8
Q106	D-9
Q107	A-7
Q108	B-5
Q109	B-4
Q110	C-2
Q401	H-8
Q402	H-9
Q403	H-9
Q404	H-9
Q405	H-9



Note on Schematic Diagram:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/6 W or less unless otherwise specified.
- △ : internal component.
- ▬▬ : B— bus.
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken under no-signal (detuned) conditions with a VOM (50 kΩ/V).
  - no mark : FM
  - ( ) : AM
  - < > : TV-L
  - [ ] : TV-H
  - ≋ ≋ : POWER OFF
  - ≋ ≋ : POWER ON
- ——▶ : FM signal path.
- ——▶ : AM signal path.
- ⇒ :TV-L signal path.
- ⇢ : TV-H signal path.
- Switch

Ref. No.	Switch	Position
S201	BAND	FM
S401	POWER ON	OFF
S402	OFF	OFF

Note on Mounting Diagram:

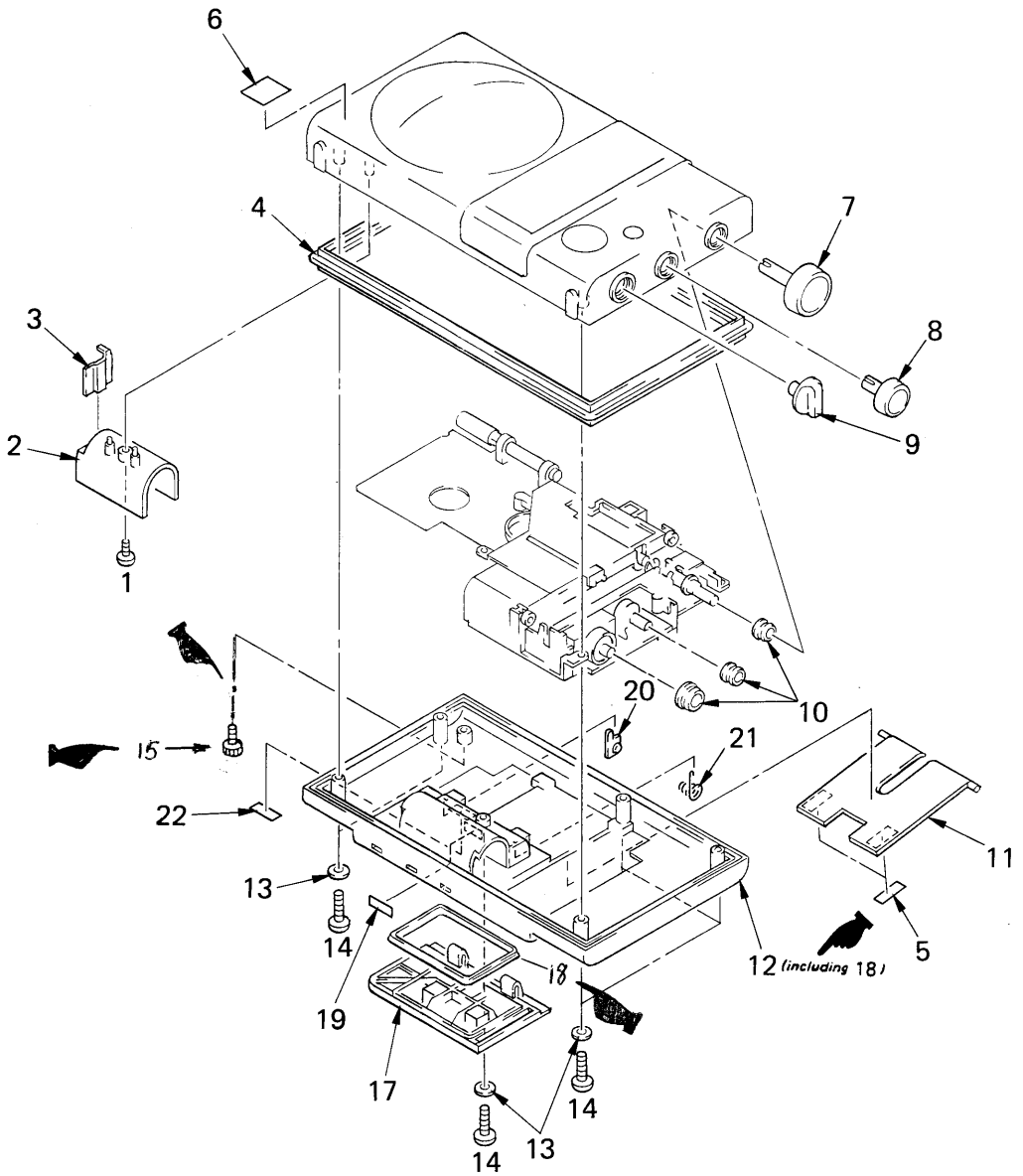
- ○— : parts extracted from the component side.
- —● : parts extracted from the conductor side.
- ■ : part mounted on the conductor side.
- ⊡ : indicates side identified with part number.
- ⊗ : Through hole.
- ▨ : component-side pattern.

REVISED

SECTION 5
EXPLODED VIEWS AND PARTS LIST

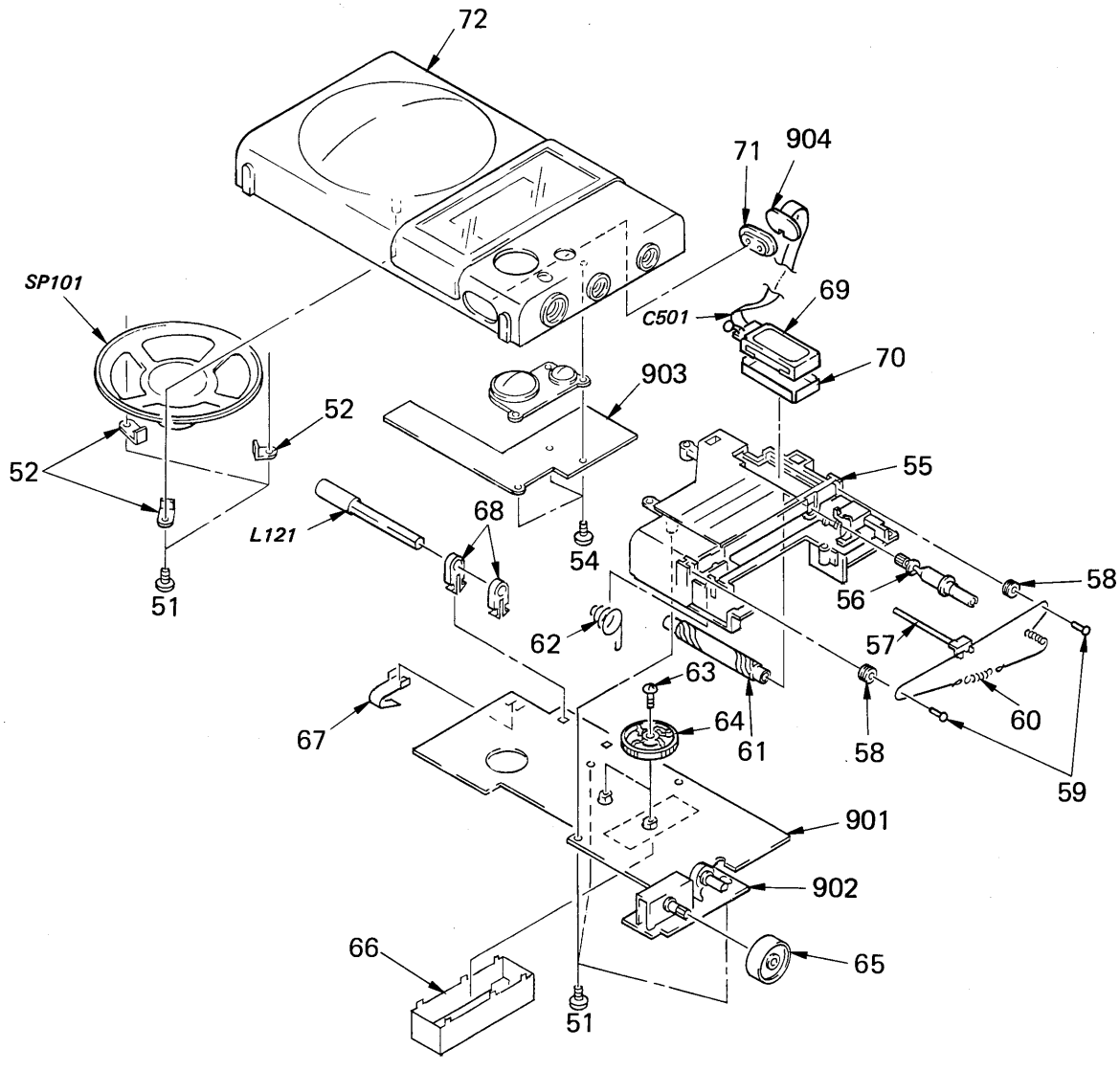
NOTE:
- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked " ★ " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The construction parts of an assembled part are indicated with a collation number in the remark column.

(1)



No.	Part No.	Description	Remarks
1	7-685-133-14	SCREW +P 2.6X6 TYPE1	
2	*3-897-418-01	CHASSIS, BATTERY	
3	3-897-402-01	TERMINAL (L), PLUS	
4	3-897-421-01	PACKING, MAIN	
5	X-3897-409-1	CABINET ASSY, FRONT	
6	3-703-710-01	STICKER, SONY SYMBOL (12)	
7	X-3897-407-1	KNOB, TUNING ASSY	
8	X-3897-408-1	KNOB, VOLUME ASSY	
9	3-897-410-01	KNOB, BAND	
10	3-897-405-01	BUSHING	
11	3-897-423-01	ARM	
12	X-3897-410-1	CABINET ASSY, REAR	
13	3-701-439-21	WASHER	
14	7-685-148-14	SCREW +P 3X12 TYPE2 NON-SLIT	
15	3-840-416-31	SCREW, ANTENNA TERMINAL	
16		deletion	
17	X-3897-411-1	LID, BATTERY CASE	
18	3-897-406-01	PACKING, BATTERY	
19	*3-701-999-00	LABEL, SERIAL NUMBER	
20	3-897-448-01	TERMINAL (S), BATTERY	
21	3-897-447-01	SPRING (S)	
22	3-897-445-01	LABEL, BATTERY	

(2)



No.	Part No.	Description	Remarks
51	7-685-133-14	SCREW +P 2.6X6 TYPE1	
52	3-897-464-01	BRACKET, SPEAKER	
54	7-685-103-11	+PTP 2.5 C2N-N	
55	3-897-429-11	CHASSIS	
56	3-897-420-01	SHAFT	
57	3-897-419-11	POINTER	
58	3-834-636-00	PULLEY	
59	7-625-713-80	RIVET 2X12	
60	3-891-610-00	SPRING	
61	3-897-413-01	SHAFT, GEAR	
62	3-897-401-01	SPRING (L)	
63	7-621-284-20	SCREW +P 2.6X6	
64	*3-897-407-01	DRUM	
65	*3-897-427-01	RING, BAND	

No.	Part No.	Description	Remarks
66	*3-897-436-01	PLATE (1), SHIELD	
67	*3-897-442-01	SPRING, ANTENNA	
68	*3-891-616-00	HOLDER, ANTENNA, BAR	
69	1-548-146-11	CLOCK	
70	*3-897-446-01	CASE, SHIELD	
71	3-897-422-01	BUTTOM, TIME SET (S501,S502)	
72	X-3897-409-1	CABINET ASSY, FRONT	
901	*A-3615-130-A	PC BOARD ASSY, MAIN	
902	*1-619-933-11	PC BOARD, CONTROL	
903	*1-619-934-11	PC BOARD, POWER	
904	1-620-179-11	PC BOARD, TIME SET	
C501	1-161-013-00	CAP, CERAMIC 0.01MF 20% 25V	
L121	1-402-232-11	ANTENNA, FERRITE-ROD (AM)	
SP101	1-503-681-11	SPEAKER	

SECTION 6
ELECTRICAL PARTS LIST

NOTE:
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuitsin a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:
MF:μF, PF:μμF.

RESISTORS
- All resistors are in ohms.
- F : nonflammable

COILS
- MMH : mH, UH : μH

SEMICONDUCTORS
In each case, U : μ, for example:
UA...: μA..., UPA...: μPA..., UPC...: μPC, UPD...: μPD...

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
901	*A-3615-130-A	PC BOARD ASSY, MAIN			
902	*1-619-933-11	PC BOARD, CONTROL			
903	*1-619-934-11	PC BOARD, POWER			
904	1-620-179-11	PC BOARD, TIME SET			
C101	1-102-963-00	CERAMIC	33PF	5%	50V
C102	1-102-943-00	CERAMIC	6PF	0.5PF	50V
C103	1-102-942-00	CERAMIC	5PF	0.5PF	50V
C104	1-102-074-00	CERAMIC	0.001MF	10%	50V
C105	1-101-001-00	CERAMIC	0.001MF	Z	50V
C106	1-102-958-00	CERAMIC	20PF	5%	50V
C107	1-102-941-00	CERAMIC	4PF	0.5PF	50V
C108	1-102-406-00	CERAMIC	2PF	0.25PF	50V
C109	1-102-520-00	CERAMIC	39PF	5%	50V
C110	1-161-047-00	CERAMIC	0.0047MF	20%	25V
C111	1-102-406-00	CERAMIC	2PF	0.25PF	50V
C112	1-102-503-00	CERAMIC	3PF	0.25PF	50V
C113	1-102-743-00	CERAMIC	3PF	0.25PF	50V
C114	1-102-512-00	CERAMIC	16PF	5%	50V
C115	1-102-743-00	CERAMIC	3PF	0.25PF	50V
C116	1-102-406-00	CERAMIC	2PF	0.25PF	50V
C117	1-161-043-00	CERAMIC	0.0022MF	20%	25V
C119	1-102-960-00	CERAMIC	24PF	5%	50V
C120	1-102-961-00	CERAMIC	27PF	5%	50V
C121	1-102-961-00	CERAMIC	27PF	5%	50V
C122	1-102-074-00	CERAMIC	0.001MF	10%	50V
C123	1-101-003-00	CERAMIC	0.0047MF	Z	50V
C124	1-102-976-00	CERAMIC	180PF	5%	50V
C125	1-102-945-00	CERAMIC	8PF	0.5PF	50V
C126	1-102-505-00	CERAMIC	6PF	0.5PF	50V
C127	1-102-520-00	CERAMIC	39PF	5%	50V
C128	1-161-047-00	CERAMIC	0.0047MF	20%	25V
C129	1-102-504-00	CERAMIC	4PF	0.25PF	50V
C130	1-102-504-00	CERAMIC	4PF	0.25PF	50V
C131	1-102-857-00	CERAMIC	6PF	0.5PF	50V
C132	1-102-522-00	CERAMIC	51PF	5%	50V
C133	1-102-684-00	CERAMIC	8PF	0.5PF	50V
C134	1-102-503-00	CERAMIC	3PF	0.25PF	50V
C135	1-161-012-00	CERAMIC	0.0082MF	10%	25V
C137	1-102-106-00	CERAMIC	100PF	10%	50V
C138	1-101-004-00	CERAMIC	0.01MF	Z	50V
C139	1-101-004-00	CERAMIC	0.01MF	Z	50V
C140	1-102-114-00	CERAMIC	470PF	10%	50V
C141	1-101-004-00	CERAMIC	0.01MF	Z	50V
C142	1-102-106-00	CERAMIC	100PF	10%	50V
C143	1-161-055-00	CERAMIC	0.022MF	20%	25V
C144	1-123-307-00	ELECT	100MF	20%	6.3V
C145	1-102-508-00	CERAMIC	10PF	0.5PF	50V

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
C146	1-102-521-00	CERAMIC	43PF	5%	50V
C147	1-102-521-00	CERAMIC	43PF	5%	50V
C148	1-102-508-00	CERAMIC	10PF	0.5PF	50V
C149	1-102-508-00	CERAMIC	10PF	0.5PF	50V
C150	1-102-508-00	CERAMIC	10PF	0.5PF	50V
C151	1-161-055-00	CERAMIC	0.022MF	20%	25V
C153	1-161-047-00	CERAMIC	0.0047MF	20%	25V
C154	1-123-356-00	ELECT	10MF	20%	16V
C155	1-161-055-00	CERAMIC	0.022MF	20%	25V
C156	1-102-962-00	CERAMIC	30PF	5%	50V
C157	1-101-884-00	CERAMIC	56PF	5%	50V
C158	1-102-962-00	CERAMIC	30PF	5%	50V
C159	1-102-958-00	CERAMIC	20PF	5%	50V
C160	1-102-601-00	CERAMIC	24PF	5%	50V
C161	1-101-998-00	CERAMIC	6PF	0.5PF	50V
C162	1-102-934-00	CERAMIC	1PF	0.25PF	50V
C164	1-101-004-00	CERAMIC	0.01MF	Z	50V
C165	1-123-330-00	ELECT	22MF	20%	16V
C166	1-102-106-00	CERAMIC	100PF	10%	50V
C167	1-161-055-00	CERAMIC	0.022MF	20%	25V
C168	1-123-356-00	ELECT	10MF	20%	16V
C169	1-123-369-00	ELECT	4.7MF	20%	25V
C170	1-123-356-00	ELECT	10MF	20%	16V
C171	1-161-058-00	CERAMIC	0.039MF	10%	25V
C172	1-123-379-00	ELECT	0.47MF	20%	50V
C173	1-101-001-00	CERAMIC	0.001MF	Z	50V
C174	1-123-379-00	ELECT	0.47MF	20%	50V
C175	1-123-308-00	ELECT	220MF	20%	6.3V
C176	1-123-379-00	ELECT	0.47MF	20%	50V
C178	1-123-307-00	ELECT	100MF	20%	6.3V
C179	1-161-059-00	CERAMIC	0.047MF	20%	25V
C180	1-123-308-00	ELECT	220MF	20%	6.3V
C181	1-161-061-00	CERAMIC	0.068MF	20%	25V
C182	1-102-106-00	CERAMIC	100PF	10%	50V
C183	1-123-308-00	ELECT	220MF	20%	6.3V
C184	1-123-379-00	ELECT	0.47MF	20%	50V
C201	1-101-001-00	CERAMIC	0.001MF	Z	50V
C202	1-102-106-00	CERAMIC	100PF	10%	50V
C203	1-102-106-00	CERAMIC	100PF	10%	50V
C204	1-102-106-00	CERAMIC	100PF	10%	50V
C205	1-102-106-00	CERAMIC	100PF	10%	50V
C401	1-161-012-00	CERAMIC	0.0082MF	10%	25V
C402	1-101-004-00	CERAMIC	0.01MF	Z	50V
C403	1-101-004-00	CERAMIC	0.01MF	Z	50V
C501	1-161-013-00	CAP, CERAMIC	0.01MF	20%	25V

ELECTRICAL PARTS

Ref.No.	Part No.	Description
CF101	1-567-538-71	FILTER, CERAMIC
CF102	1-567-097-61	FILTER, CERAMIC
CFZ101	1-567-552-11	FILTER, AM CERAMIC
CNJ401	*1-558-739-11	LEAD (WITH CONNECTOR)
CNP101	*1-562-555-11	SOCKET, CONNECTOR 2P
CV101	1-151-539-11	CAP, VAR, POLYETHYLENE
CV102	1-151-538-11	CAP, VAR, POLYETHYLENE
D101	8-719-815-55	DIODE 1S1555
D102	8-719-815-55	DIODE 1S1555
D103	8-719-815-55	DIODE 1S1555
D104	8-719-815-55	DIODE 1S1555
D105	8-719-815-55	DIODE 1S1555
D401	1-806-860-11	DIODE PR2222S (LED)
D402	1-806-860-11	DIODE PR2222S (LED)
D403	1-806-860-11	DIODE PR2222S (LED)
D404	1-806-860-11	DIODE PR2222S (LED)
IC101	1-807-018-11	IC UPC1303G
IC401	8-759-204-41	IC TC9160P
L101	*1-409-293-00	COIL, AIR CORE
L102	*1-422-283-11	COIL, AIR-CORE
L103	*1-422-283-11	COIL, AIR-CORE
L104	*1-422-284-11	COIL, AIR-CORE
L105	*1-422-284-11	COIL, AIR-CORE
L106	*1-422-285-11	COIL, AIR-CORE
L107	*1-422-285-11	COIL, AIR-CORE
L108	*1-409-293-00	COIL, AIR CORE
L109	*1-422-286-11	COIL, AIR-CORE
L110	*1-422-286-11	COIL, AIR-CORE
L111	*1-422-287-11	COIL, AIR-CORE
L112	*1-422-288-11	COIL, AIR-CORE
L113	*1-422-289-11	COIL, AIR-CORE
L114	*1-409-293-00	COIL, AIR CORE
L115	*1-422-290-11	COIL, AIR-CORE
L116	*1-422-290-11	COIL, AIR-CORE
L117	*1-409-293-00	COIL, AIR CORE
L118	1-410-308-11	MICRO INDUCTOR 33MMH
L119	1-406-212-11	COIL, OSC (TV 2ND)
L120	*1-401-228-00	ANTENNA COIL
L121	1-402-232-11	ANTENNA, FERRITE-ROD (AM)
L122	*1-422-291-11	COIL, AIR-CORE
L123	*1-422-291-11	COIL, AIR-CORE
L124	*1-422-292-11	COIL, AIR-CORE
L125	1-406-087-11	COIL, OSC (AM)

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
Q101	8-729-194-57	TRANSISTOR 2SC945-P			
Q102	8-729-194-57	TRANSISTOR 2SC945-P			
Q103	8-729-194-57	TRANSISTOR 2SC945-P			
Q104	8-729-194-57	TRANSISTOR 2SC945-P			
Q105	8-729-194-57	TRANSISTOR 2SC945-P			
Q106	8-729-194-57	TRANSISTOR 2SC945-P			
Q107	8-729-194-57	TRANSISTOR 2SC945-P			
Q108	8-729-194-57	TRANSISTOR 2SC945-P			
Q109	8-729-194-57	TRANSISTOR 2SC945-P			
Q110	8-729-194-57	TRANSISTOR 2SC945-P			
Q401	8-729-195-23	TRANSISTOR 2SA952			
Q402	8-729-195-23	TRANSISTOR 2SA952			
Q403	8-729-195-23	TRANSISTOR 2SA952			
Q404	8-729-195-23	TRANSISTOR 2SA952			
Q405	8-729-195-23	TRANSISTOR 2SA952			
R101	1-249-417-11	CARBON	1K	5%	1/6W
R102	1-247-897-00	CARBON	560K	5%	1/6W
R103	1-249-405-11	CARBON	100	5%	1/6W
R104	1-247-887-00	CARBON	220K	5%	1/6W
R105	1-249-417-11	CARBON	1K	5%	1/6W
R106	1-247-817-00	CARBON	270	5%	1/6W
R107	1-249-417-11	CARBON	1K	5%	1/6W
R108	1-249-405-11	CARBON	100	5%	1/6W
R109	1-247-895-00	CARBON	470K	5%	1/6W
R110	1-247-887-00	CARBON	220K	5%	1/6W
R111	1-249-417-11	CARBON	1K	5%	1/6W
R112	1-249-417-11	CARBON	1K	5%	1/6W
R113	1-247-897-00	CARBON	560K	5%	1/6W
R114	1-249-405-11	CARBON	100	5%	1/6W
R115	1-247-887-00	CARBON	220K	5%	1/6W
R116	1-249-417-11	CARBON	1K	5%	1/6W
R117	1-247-817-00	CARBON	270	5%	1/6W
R118	1-249-417-11	CARBON	1K	5%	1/6W
R119	1-249-405-11	CARBON	100	5%	1/6W
R120	1-247-895-00	CARBON	470K	5%	1/6W
R121	1-247-887-00	CARBON	220K	5%	1/6W
R122	1-249-419-11	CARBON	1.5K	5%	1/6W
R123	1-247-891-00	CARBON	330K	5%	1/6W
R124	1-249-417-11	CARBON	1K	5%	1/6W
R125	1-247-819-00	CARBON	330	5%	1/6W
R126	1-247-887-00	CARBON	220K	5%	1/6W
R127	1-249-417-11	CARBON	1K	5%	1/6W
R128	1-247-819-00	CARBON	330	5%	1/6W
R129	1-249-417-11	CARBON	1K	5%	1/6W
R130	1-249-405-11	CARBON	100	5%	1/6W
R131	1-247-891-00	CARBON	330K	5%	1/6W

ELECTRICAL PARTS

Ref.No.	Part No.	Description			
R132	1-247-887-00	CARBON	220K	5%	1/6W
R134	1-247-839-00	CARBON	2.2K	5%	1/6W
R135	1-247-801-00	CARBON	56	5%	1/6W
R136	1-249-441-11	CARBON	100K	5%	1/6W
R137	1-247-819-00	CARBON	330	5%	1/6W
R138	1-247-839-00	CARBON	2.2K	5%	1/6W
R139	1-247-815-00	CARBON	220	5%	1/6W
R140	1-247-794-00	CARBON	30	5%	1/6W
R141	1-247-849-00	CARBON	5.6K	5%	1/6W
R142	1-247-850-00	CARBON	6.2K	5%	1/6W
R143	1-247-859-00	CARBON	15K	5%	1/6W
R144	1-249-441-11	CARBON	100K	5%	1/6W
R145	1-249-417-11	CARBON	1K	5%	1/6W
R146	1-247-839-00	CARBON	2.2K	5%	1/6W
R147	1-249-419-11	CARBON	1.5K	5%	1/6W
R148	1-247-794-00	CARBON	30	5%	1/6W
R401	1-247-874-00	CARBON	100K	5%	1/6W
R402	1-247-903-00	CARBON	1M	5%	1/6W
R403	1-247-888-00	CARBON	240K	5%	1/6W
R404	1-249-433-11	CARBON	22K	5%	1/6W
R405	1-249-417-11	CARBON	1K	5%	1/6W
R406	1-249-441-11	CARBON	100K	5%	1/6W
R407	1-247-874-00	CARBON	100K	5%	1/6W
R408	1-247-874-00	CARBON	100K	5%	1/6W
R409	1-247-874-00	CARBON	100K	5%	1/6W
R410	1-247-872-00	CARBON	51K	5%	1/6W
R411	1-247-849-00	CARBON	5.6K	5%	1/6W
RV201	1-237-343-11	RES, VAR 50K-C			
S201	1-570-745-11	SWITCH, ROTARY SLIDE (BAND)			
S401	1-554-371-00	SWITCH, TACT (POWER ON)			
S402	1-554-371-00	SWITCH, TACT (OFF)			
SP101	1-503-681-11	SPEAKER 8			
T101	1-404-699-11	IFT (A) (TV 41MHz)			
T102	1-404-699-11	IFT (A) (TV 41MHz)			
T103	1-404-700-11	IFT (B) (TV 41MHz)			

ACCESSORY & PACKING MATERIAL

Part No.	Description
1-501-358-11	ANTENNA, FM LEAD
2-366-919-00	BAG, PROTECTION
3-701-623-00	BAG, POLYETHYLENE
3-897-433-01	CUSHION (RIGHT)
3-897-435-01	CUSHION (LEFT)
3-897-454-01	INDIVIDUAL CARTON
*4-605-572-01	BAG, POLYETHYLENE, CURL CORD
X-3897-401-1	STRAP ASSY
X-3897-402-1	HOLDER ASSY
	MANUAL, INSTRUCTION

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